Jenkins - JIRA Integration via JIRA Test Result Reporter Plugin

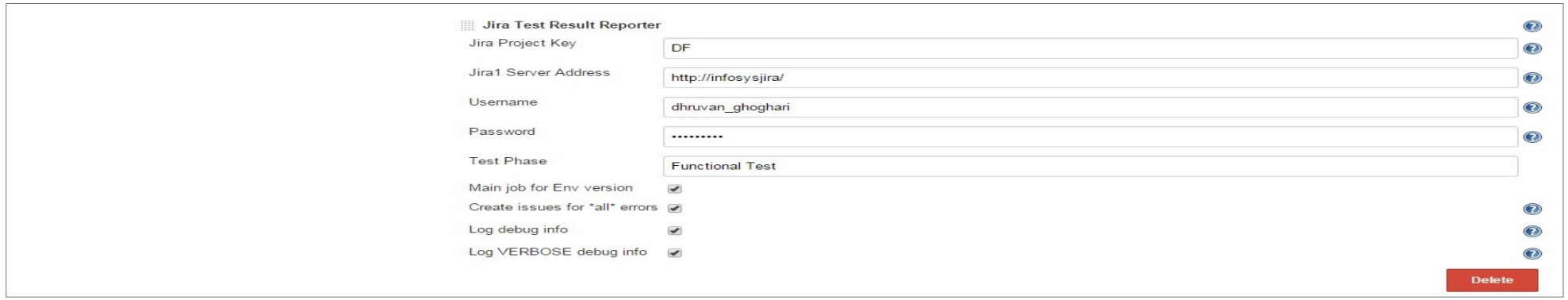
What Plugin does :

This plugin checks the build job for failed unit tests. It work by using the Jenkins internal test result management for detecting failed tests. First Jenkins to run and report your unit tests via “Publish Unit test results report” to your build job. In out case it would use Publish Cucumber Test Result Report

Following are simple steps to configure Plugin to Jenkins:

Step 1: Open Jenkins and go to Manage Plug in icon.

Step 2: Browse through plugin downloaded from SharePoint and verify its reflected on library.



Jenkins – JIRA Defect Integration workflow

Continuous Integration

Automated Job

Test case Fails

Triggered the Cucumber Publish report

Triggered the Jenkins – Jira Plugin

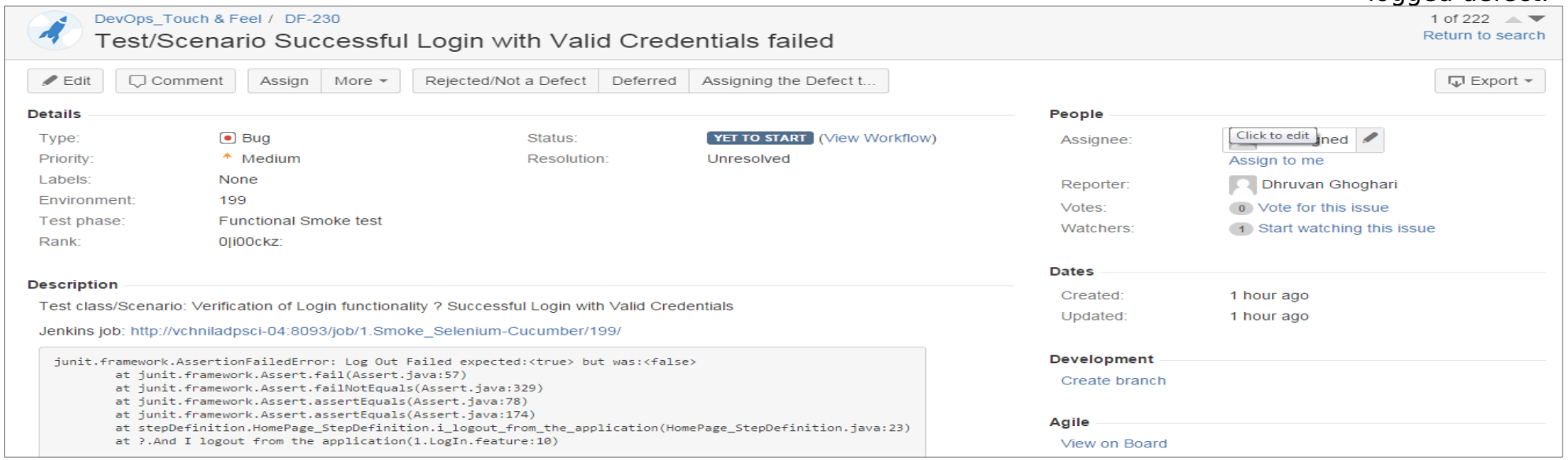
Defect logged Automatically

Continuous Integration → **Automated Functional Job** → **Cucumber Report** → **JIRA Test Result Reporter** → **Defect Logging**

This Plugin identify the generated surfire report

This Plugin has to configure between Jenkins & Jira & defect to be logged automatically

Defect by default logged as a Issue Type & includes Summary, Severity, Description & user who logged defect.



Key versions of Software & plugins need for Integration

- Jenkins ver 1.628
- JIRA v6.4.3
- Jira Test Result Reporter ver. 1.0.5
- JIRA Plug in ver 2.1 - this plugin Integrates Jenkins to JIRA
- Cucumber json Test reporting ver. 0.8.2 - This plugin converts them to Jenkins TestCase so they can be seen in the standard test reports.